

## Abstract

Grounding key detection circuit and method for interference-proof detection of the operation of a grounding key in telephones

Grounding key detection circuit for interference-proof detection of the operation of a grounding key in a telephone, comprising:

a longitudinal current detection device (4) for detecting a longitudinal current flowing when the grounding key (6) is operated,

a comparator (6) for comparing the detected longitudinal current with a threshold value,

a monitoring circuit (8) for detecting an overshoot period for which the longitudinal current exceeds the current threshold value and for detecting an undershoot period for which the longitudinal current drops below the current threshold value, the monitoring circuit (8) outputting a grounding key detection signal when the overshoot period is greater than the undershoot period.

Figure 1

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